



ENGINEER

Job ID: 37489

Job Category: Engineering & Technical

Division & Section: Toronto Water, TW Water Infrastructure Management

Work Location: Metro Hall, 55 John Street

Job Type & Duration: Full-time, 5 Permanent

Salary: \$93,500 - \$119,274, TM1600, Wage Grade 6.5

Shift Information: Monday to Friday, 35 hours per week

Affiliation: Non-Union

Number of Positions Open: 5

Posting Period: May 5, 2023 to May 19, 2023

Toronto Water is the **City of Toronto** division responsible for all aspects of drinking water treatment and supply, wastewater collection and treatment, and stormwater management. The Division's six business sections manage a large number of facilities and assets across the city, including treatment plants, pumping stations, water and sewer mains, laboratories and yards.

Water Infrastructure Management (WIM) is responsible for the long-term management of Toronto's water, wastewater and stormwater management assets to optimize infrastructure investment, level of service, and performance. WIM provides engineering analysis, asset management, infrastructure and capital planning, and policy development and coordination across Toronto Water to serve 3.6 million residents in Toronto and surrounding regions daily, manage over \$83 billion in assets, and plan a 10-year budget over \$15.1 billion.

Opportunities to Lead, Contribute and Excel

WIM's **Strategic Planning and Policy** is looking for Engineers to contribute to infrastructure planning, infrastructure capacity assessment studies and other studies, preliminary design assignments, strategic projects, policy and guideline development, and efforts to innovate and advance Toronto Water's strategic goals.

WIM's **Approvals and Partnerships Unit**, and **Development & Growth Transformation Project Office** are seeking Engineers to manage relationships with other Toronto Water sections, City divisions, agencies and corporations, and third parties, and lead, coordinate, monitor, and track initiatives aimed at enhancing Toronto Water's involvement with development approvals.

If you have a strong technical background in linear water and sewer systems, and are a skilled communicator, proficient in problem-solving and collaborating with internal and external stakeholders, this is an exciting opportunity to join the City as an Engineer in one of these roles.

Sharing Expertise as Part of a Collaborative Team

Knowledgeable about water resources, stormwater management, and sewer collection system design and analysis, you'll provide technical expertise, oversight and support of capacity assessment and infrastructure studies and preliminary design for stormwater and drainage, and sewer (storm, sanitary and combined) infrastructure, including trunk sewers and sewage pumping stations. This will include developing related design scopes and terms of reference, reviewing deliverables, attending project team meetings, providing data analysis and management, conducting technical problem investigations, and participating in studies, analyses, surveys, research and development to resolve complex engineering problems. You will also review, process, and provide technical advice on design applications, and develop standard operating procedures and other guidance documents.

Contributing in a Multi-Stakeholder Environment

Acting as a valued source within the Division, you'll coordinate the divisional review, comments and input from across Toronto Water on special projects, studies and initiatives led by other divisions and agencies, and provide technical advice and expertise to support other units within Toronto Water. You'll also assist in developing policies, technical guidelines, standards and by-laws related to stormwater management, water resources and environmental protection, water distribution and wastewater collection.

KEY QUALIFICATIONS

Among the strengths you bring to the role of **Engineer** will be the following key qualifications:

1. A professional Engineering Licence and membership in good standing with Professional Engineers Ontario (PEO).
2. Considerable experience in municipal engineering, including review or design or construction, or operation or needs assessment and planning of water distribution, wastewater collection, storm drainage and stormwater management infrastructure.
3. Considerable experience utilizing municipal guidelines and policies to guide infrastructure development and review proposed alternatives.
4. Experience contributing to, or developing, policies, standard operating procedures, design criteria, and guidelines.
5. Experience in the preparation of environmental study reports or technical reports, or reports to Council and responses to inquiries by external agencies and the public.

Through your background, you've acquired knowledge in infrastructure planning studies and/or masterplans, capital planning, development servicing studies, needs and options assessment, and cost-benefit analysis, and the ability to interact effectively with consulting engineers, City staff, Ministry of the Environment, Conservation and Parks (MECP) staff and other agencies, planners, contractors, architects, the general public and elected officials on all matters arising from an assigned project.

You also bring knowledge of the principles and practices of water resources, stormwater management, and sewer collection system design and analysis, including the interpretation and review of hydraulic/hydrologic modelling results (InfoWorks and equivalent software), developing modelling assignment scopes, and working with modelling teams to achieve desired objectives.

This is complemented by knowledge of City by-laws and policies regarding water, wastewater and stormwater issues or equivalent, as well as codes, regulations and requirements. These include, but are not limited to, the Sustainable Water & Sewer System Act (Bill 175), Environmental Assessment Act, MECP's Procedure F5-5 and Stormwater BMP Manual, Ontario Water Resources Act, Environmental Protection Act, Federal Fisheries Act, Source Water Protection Act and Safe Drinking Water Act.

An analytically minded problem-solver and skilled communicator, comfortable working collaboratively with multiple stakeholders, you can develop solid internal and external working relationships, as well as participate in, and operate as a fully accountable member of, a multidisciplinary team. You are adept at reading, interpreting, and reporting on engineering plans and drawings, specifications, correspondence, reports and other documents in a

timely manner. Above all, you have what it takes to support the Toronto Public Service values to ensure a culture that champions equity, diversity and respectful workplaces.

While not required, the following would be considered assets for this role:

- Experience with GIS (Geographic Information Systems) to use software (ArcGIS or equivalent) to develop maps and figures, manage data to guide decisions and plan programs, and undertake technical analysis to support decision-making.
- Experience in the preliminary design and/or detailed design and construction of wastewater collection, storm drainage and/or stormwater management.
- Knowledge of hydraulic/hydrologic modelling (InfoWorks and/or equivalent software).
- Knowledge of water distribution systems design and analysis, including hydraulic modelling (InfoWater and/or equivalent software).
- Knowledge of Change Management, Transformation Management, and Program Management theory.
- Ability to travel to various work locations and construction sites in a timely and efficient manner, a valid Province of Ontario Class "G" Driver's Licence, and access to a vehicle.

Toronto is home to more than 2.9 million people whose diversity and experiences make this great city Canada's leading economic engine and one of the world's most diverse and livable cities. As the fourth largest city in North America, Toronto is a global leader in technology, finance, film, music, culture, and innovation, and consistently places at the top of international rankings due to investments championed by its government, residents and businesses. For more information, visit jobs.toronto.ca or follow us on Twitter at [Twitter.com/CityTOjobs](https://twitter.com/CityTOjobs), on LinkedIn at [Linkedin.com/company/city-of-toronto](https://linkedin.com/company/city-of-toronto) or on Facebook at [Facebook.com/CityTOjobs](https://facebook.com/CityTOjobs).

How to Apply:

For more information on these and other opportunities with the City of Toronto, visit us online at <https://jobs.toronto.ca/jobsatcity/>. To apply online, submit your resume, quoting **Job ID 37489**, by **Friday, May 19, 2023**.

Equity, Diversity and Inclusion

The City is an equal opportunity employer, dedicated to creating a workplace culture of inclusiveness that reflects the diverse residents that we serve. Learn more about the City's commitment to [employment equity](https://jobs.toronto.ca/jobsatcity/content/Hiring-Policies-and-Statements/?locale=en_US) < https://jobs.toronto.ca/jobsatcity/content/Hiring-Policies-and-Statements/?locale=en_US >.

Accommodation

The City of Toronto is committed to creating an accessible and inclusive organization. We are committed to providing barrier-free and accessible employment practices in compliance with the Accessibility for Ontarians with Disabilities Act (AODA).

Should you require Code-protected accommodation through any stage of the recruitment process, please make them known when contacted and we will work with you to meet your needs. [Disability-related accommodation during the application process is available upon request. Learn more about the City's Hiring Policies and Accommodation Process](https://jobs.toronto.ca/jobsatcity/content/Hiring-Policies-and-Statements/?locale=en_US) < https://jobs.toronto.ca/jobsatcity/content/Hiring-Policies-and-Statements/?locale=en_US >.
